FIG. 1

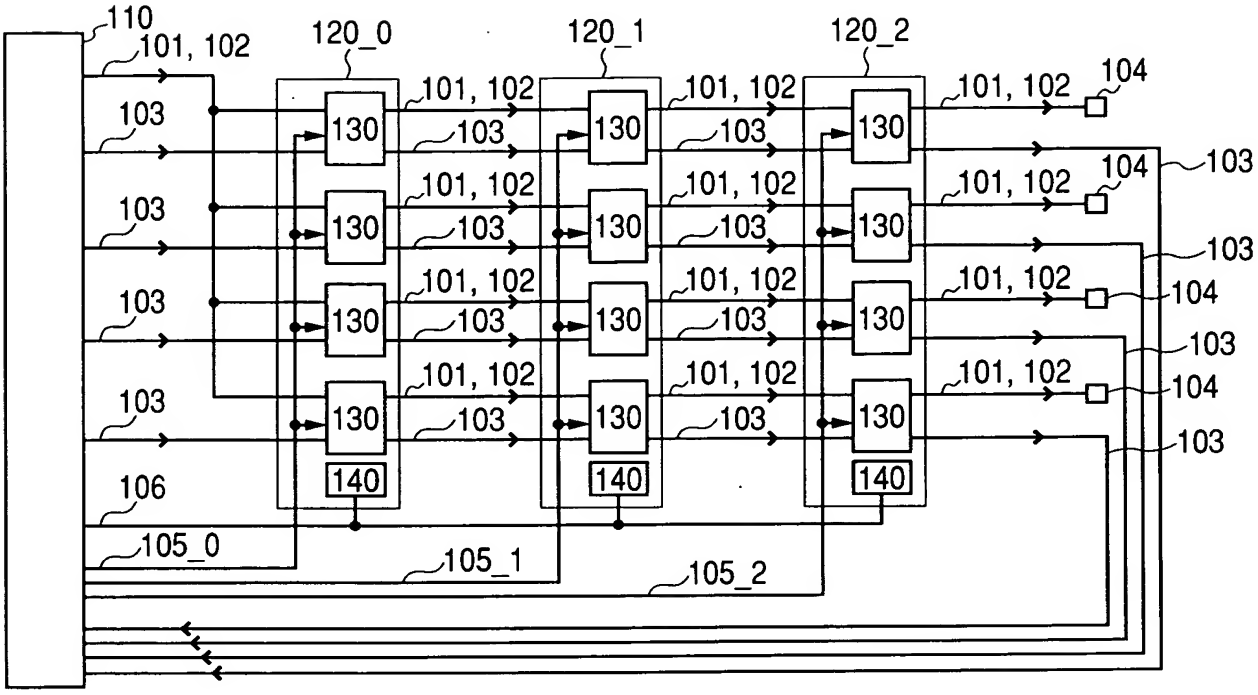

110
101, 102
120_0
120_1
120_2
104
103
130
140
106
105_0
105_1
105_2

FIG. 2

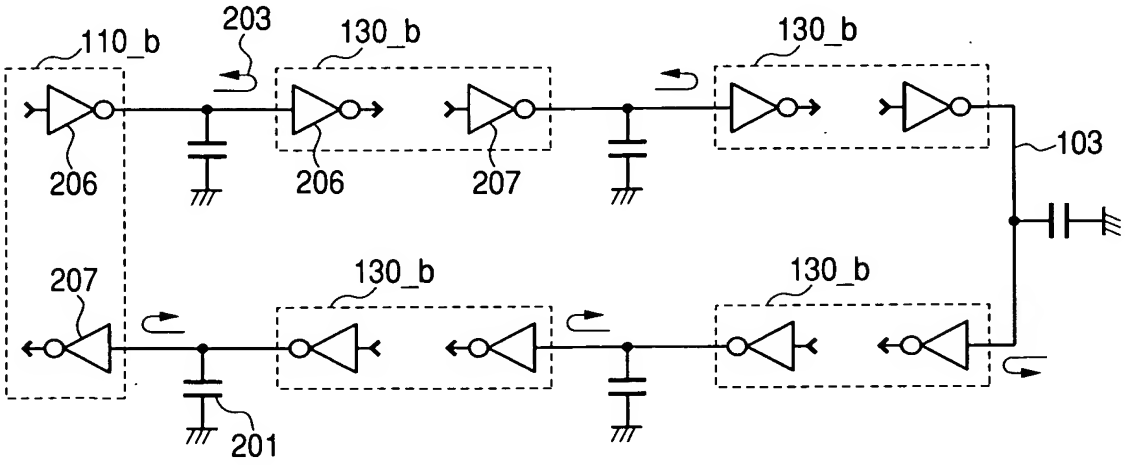

110_b
203
130_b
206
207
103
201

FIG. 3

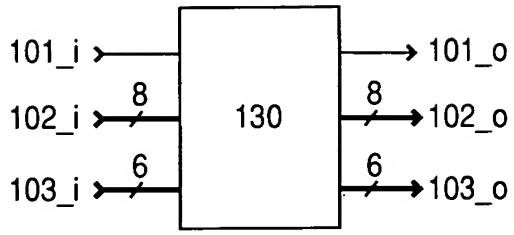

101_i
102_i
103_i
8
6
130
8
6
101_o
102_o
103_o

FIG. 4

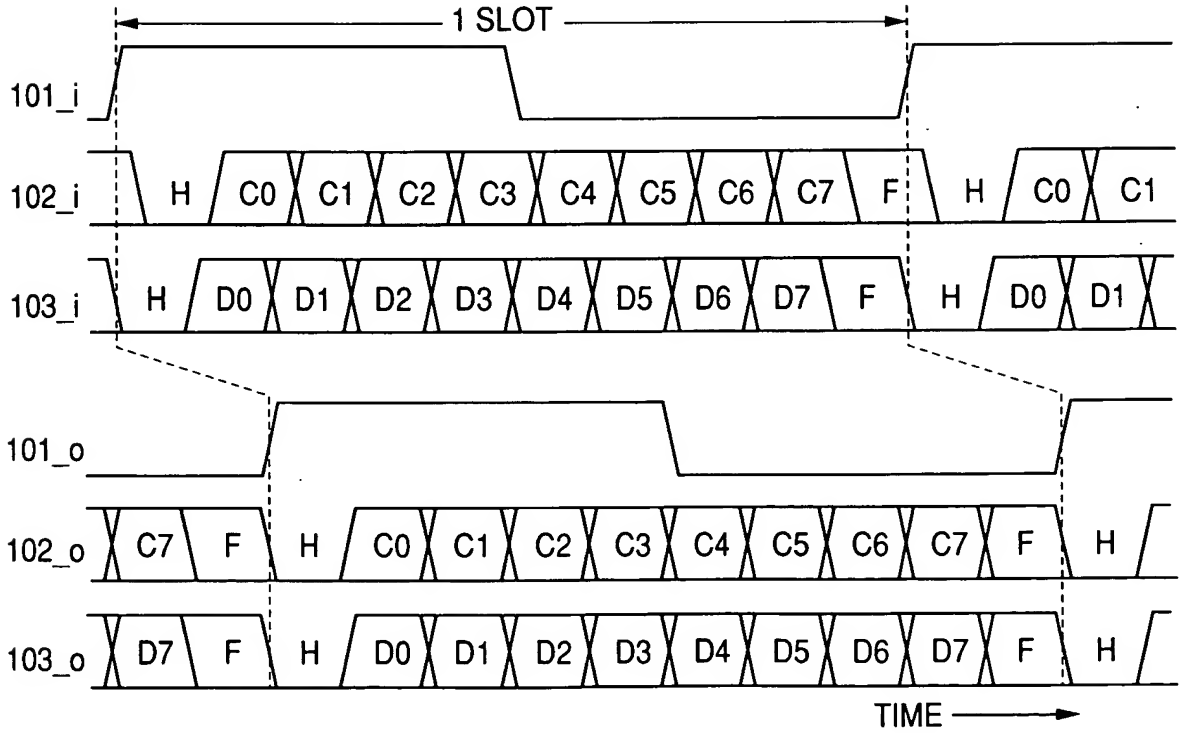

1 SLOT
101_i
102_i
H C0 C1 C2 C3 C4 C5 C6 C7 F H C0 C1
103_i
H D0 D1 D2 D3 D4 D5 D6 D7 F H D0 D1
101_o
102_o
C7 F H C0 C1 C2 C3 C4 C5 C6 C7 F H
103_o
D7 F H D0 D1 D2 D3 D4 D5 D6 D7 F H
TIME

FIG. 5

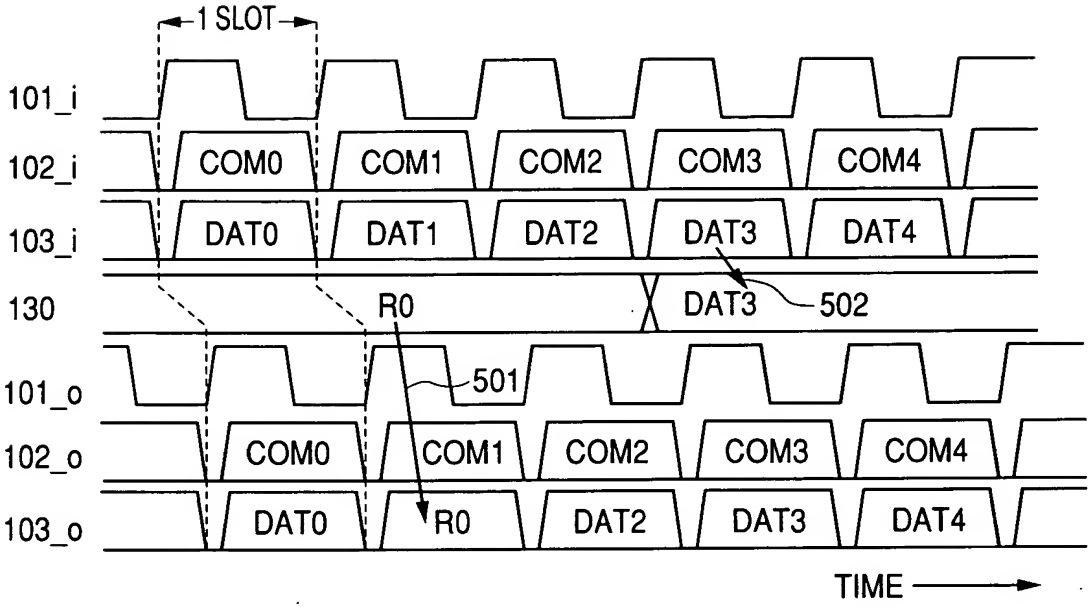

1 SLOT
101_i
102_i
103_i
130
101_o
102_o
103_o
COM0
COM1
COM2
COM3
COM4
DAT0
DAT1
DAT2
DAT3
DAT4
R0
DAT3
502
501
TIME

FIG. 6

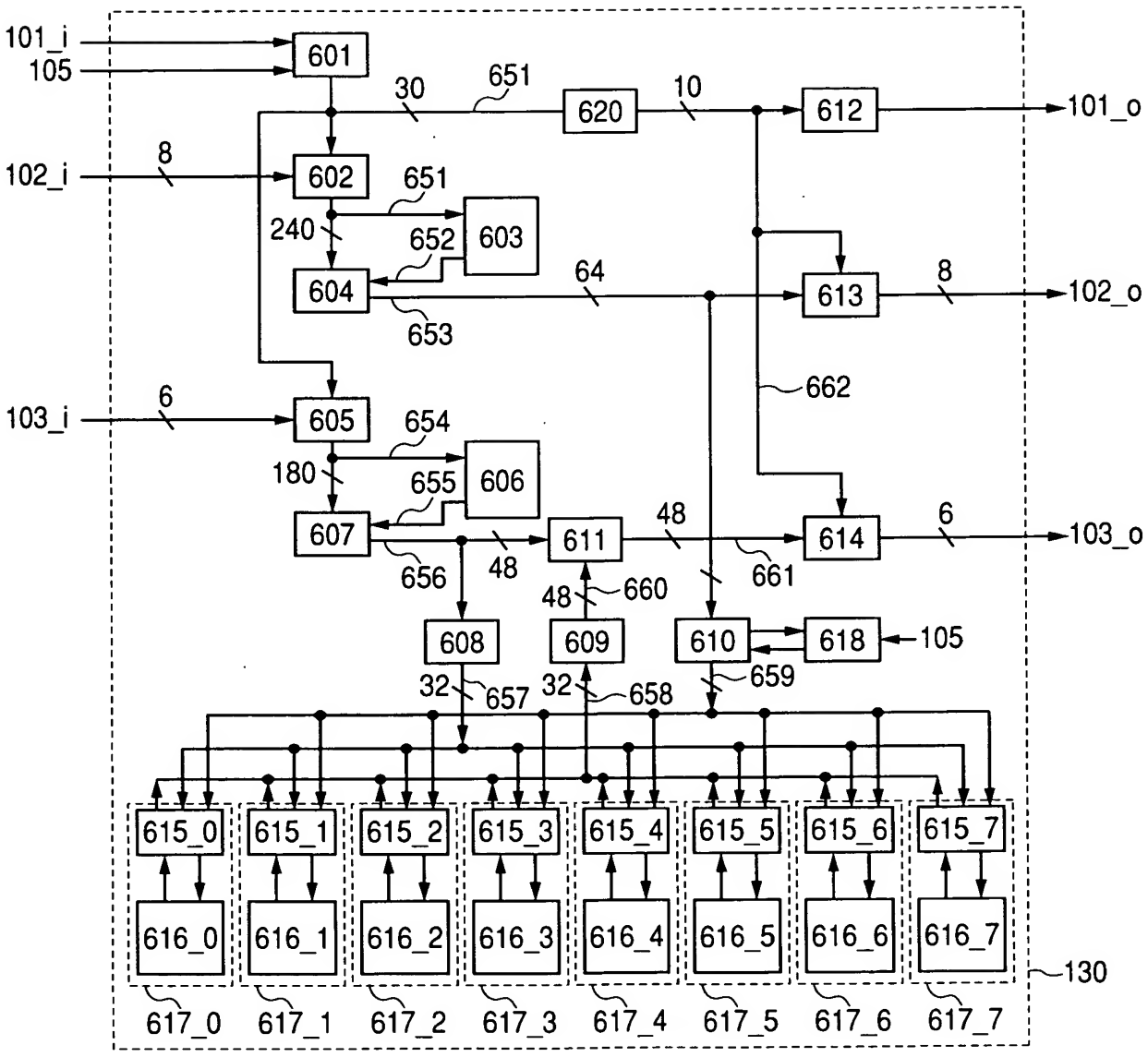

101_i
105
601
30
651
620
10
612
101_o
102_i
8
602
651
240
652
603
604
64
613
8
102_o
653
662
103_i
6
605
654
180
655
606
607
48
611
48
614
6
103_o
656
48
660
661
608
609
610
618
105
32
657
32
658
659
615_0
615_1
615_2
615_3
615_4
615_5
615_6
615_7
616_0
616_1
616_2
616_3
616_4
616_5
616_6
616_7
130
617_0
617_1
617_2
617_3
617_4
617_5
617_6
617_7

FIG. 7

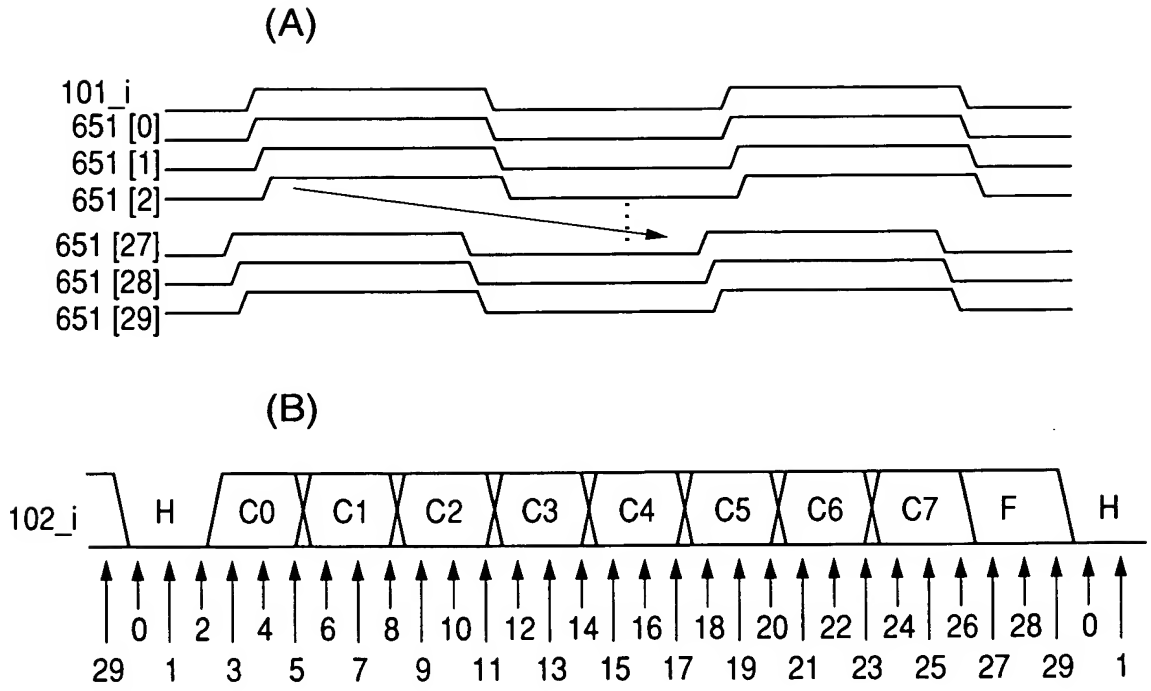

(A)
101_i
651 [0]
651 [1]
651 [2]
651 [27]
651 [28]
651 [29]
(B)
102_i
H
C0
C1
C2
C3
C4
C5
C6
C7
F
H
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 0
29 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 1

FIG. 8

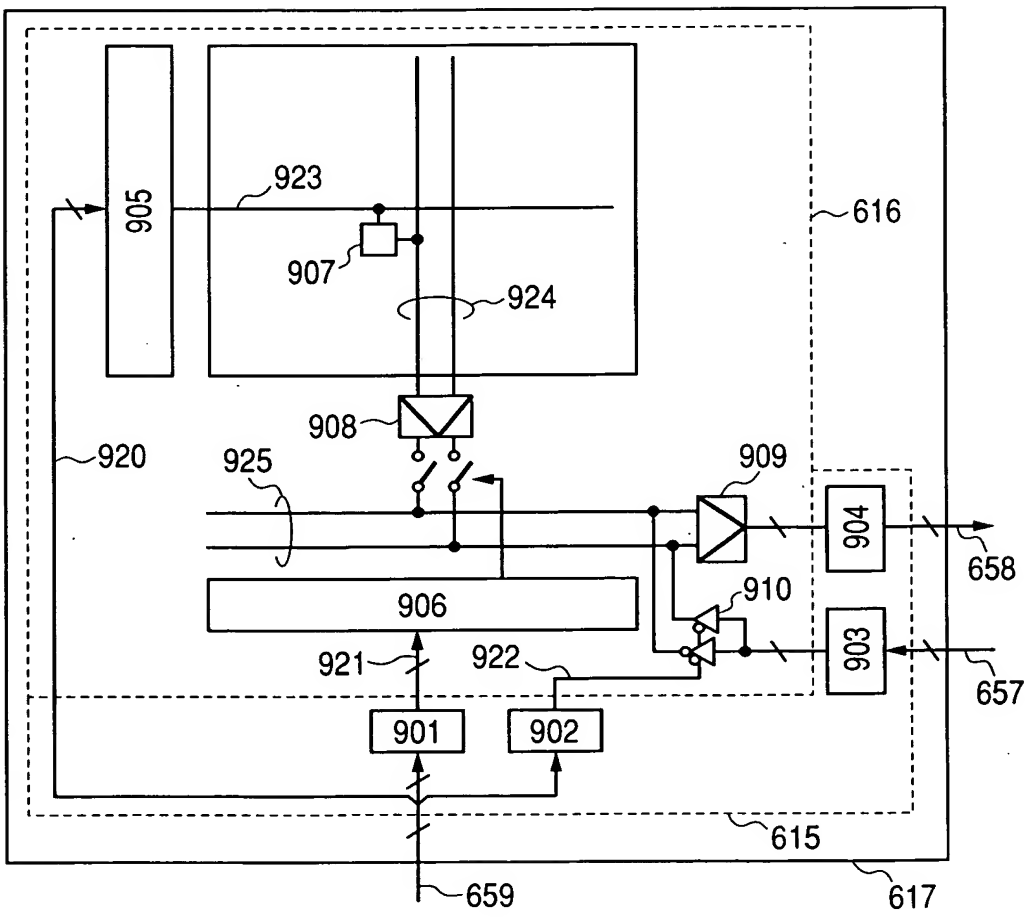

905
923
907
924
616
908
920
925
909
904
658
906
910
903
921
922
657
901
902
615
659
617

FIG. 9

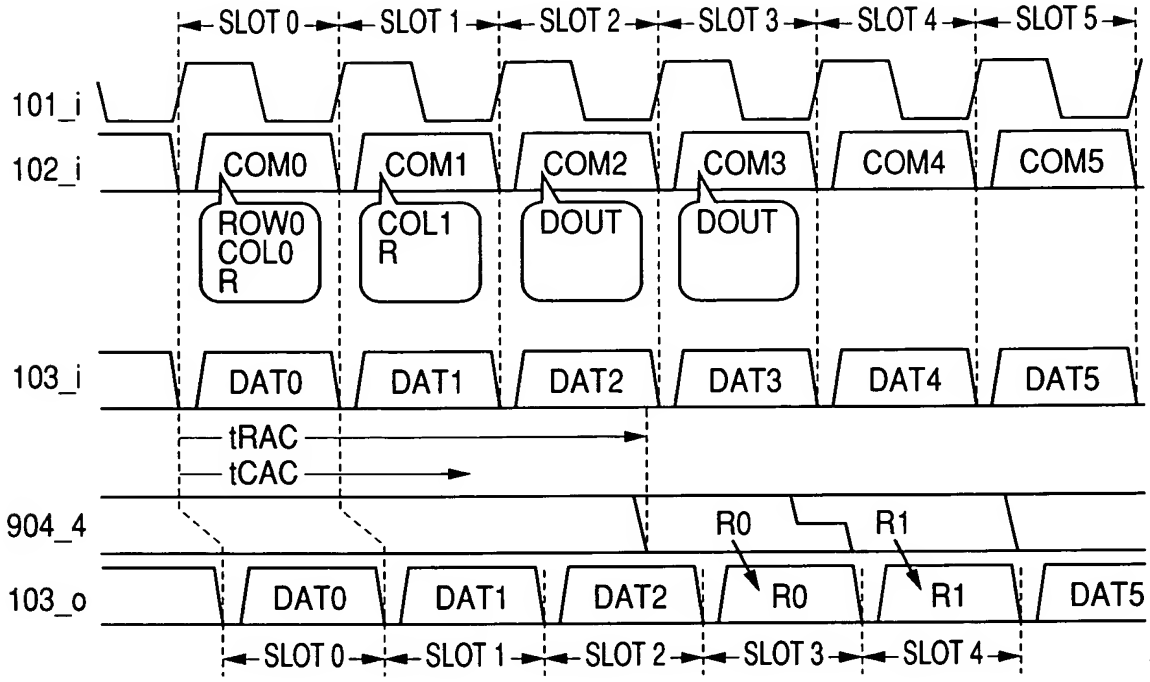

SLOT 0
SLOT 1
SLOT 2
SLOT 3
SLOT 4
SLOT 5
101_i
102_i
COM0
COM1
COM2
COM3
COM4
COM5
ROW0
COL0
R
COL1
R
DOUT
DOUT
103_i
DAT0
DAT1
DAT2
DAT3
DAT4
DAT5
tRAC
tCAC
904_4
R0
R1
103_o
DAT0
DAT1
DAT2
R0
R1
DAT5
SLOT 0
SLOT 1
SLOT 2
SLOT 3
SLOT 4

FIG. 10

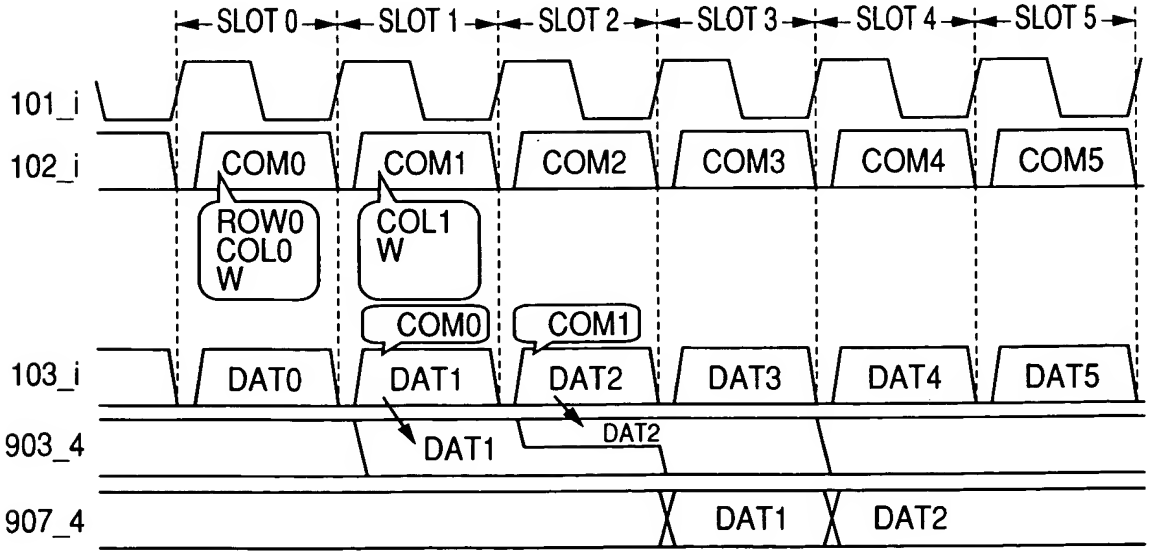

SLOT 0
SLOT 1
SLOT 2
SLOT 3
SLOT 4
SLOT 5
101_i
102_i
COM0
COM1
COM2
COM3
COM4
COM5
ROW0
COL0
W
COL1
W
COM0
COM1
103_i
DAT0
DAT1
DAT2
DAT3
DAT4
DAT5
903_4
DAT1
DAT2
907_4
DAT1
DAT2

FIG. 11

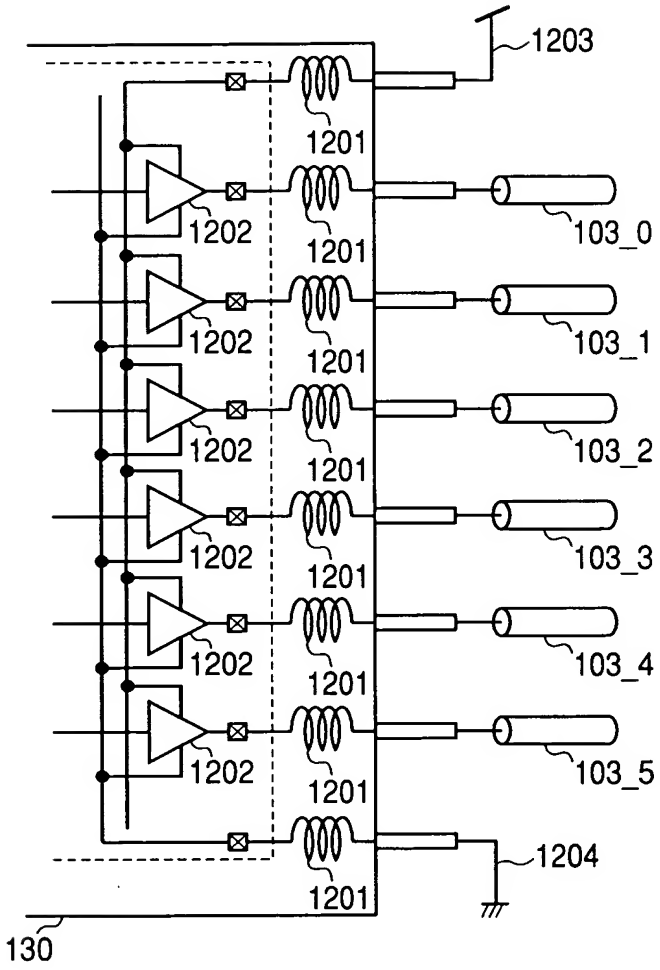

1203
1201
1202
103_0
103_1
103_2
103_3
103_4
103_5
1204
130

FIG. 12

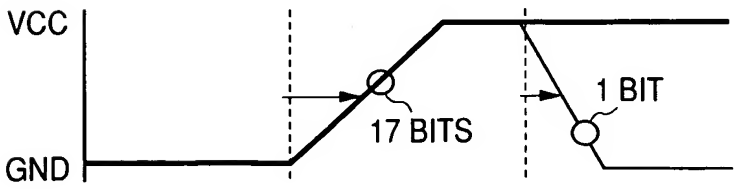

VCC
GND
17 BITS
1 BIT

FIG. 13

DATA				TRANSMISSION CODES					
0	0	0	0	0	0	1	0	1	1
1	0	0	0	0	1	0	0	1	1
0	1	0	0	1	0	0	0	1	1
1	1	0	0	0	0	1	1	0	1
0	0	1	0	0	1	0	1	0	1
1	0	1	0	1	0	0	1	0	1
0	1	1	0	0	0	1	1	1	0
1	1	1	0	0	1	0	1	1	0
0	0	0	1	1	0	0	1	1	0
1	0	0	1	0	1	1	0	0	1
0	1	0	1	0	1	1	0	1	0
1	1	0	1	0	1	1	1	0	0
0	0	1	1	1	0	1	0	0	1
1	0	1	1	1	0	1	0	1	0
0	1	1	1	1	0	1	1	0	0
1	1	1	1	1	1	0	0	0	1
NO DATA				1	1	0	0	1	0
				1	1	0	1	0	0
				1	1	1	0	0	0
				0	0	0	1	1	1

FIG. 14

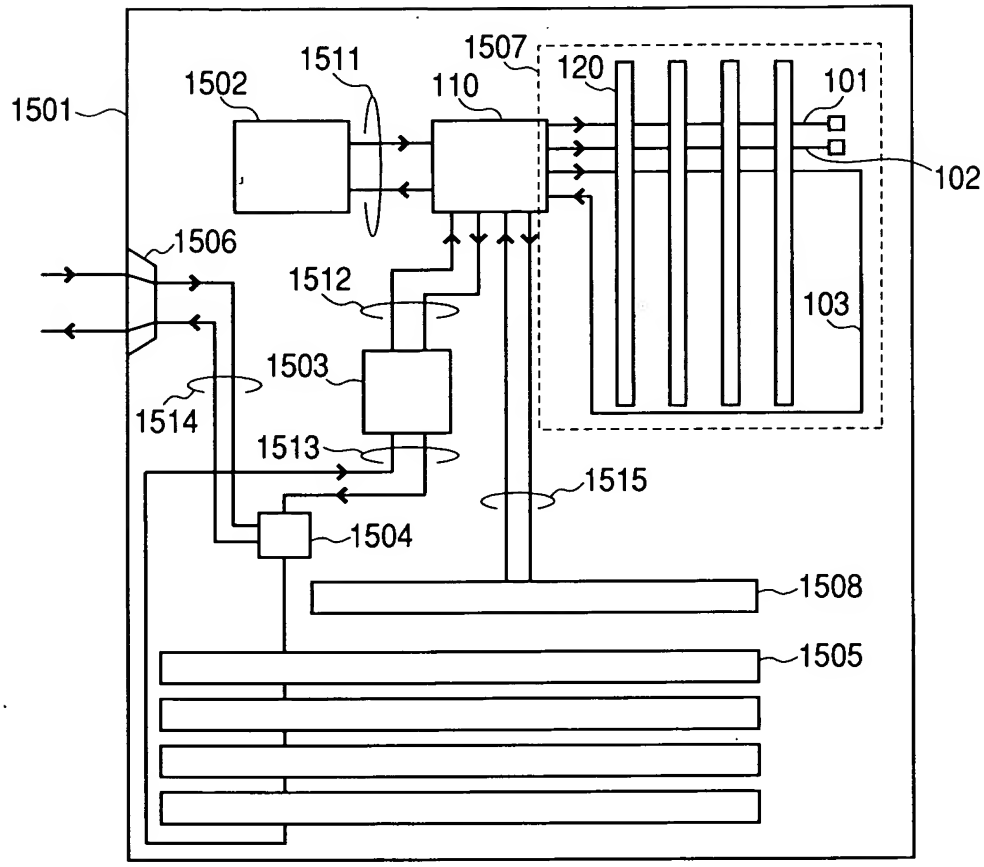

1501
1502
1511
1507
120
110
101
102
1506
1512
103
1503
1514
1513
1515
1504
1508
1505

FIG. 15

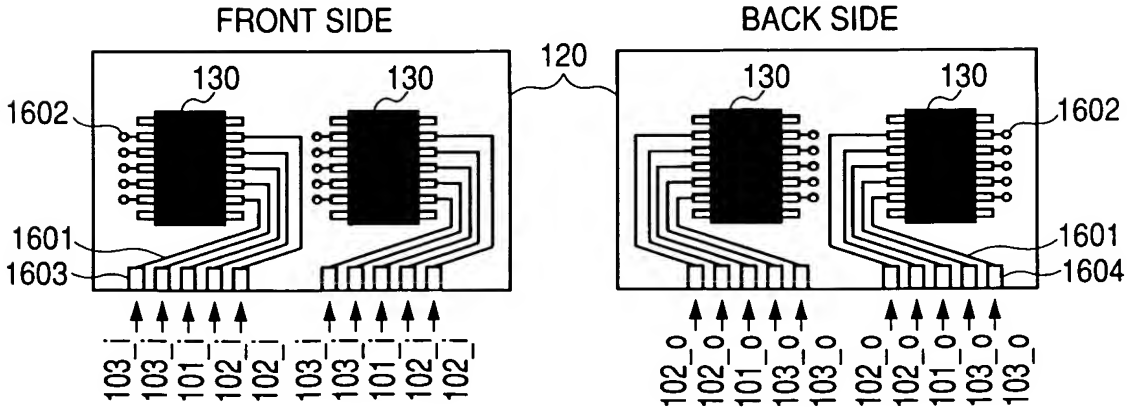

FRONT SIDE
BACK SIDE
120
130
130
130
130
1602
1602
1601
1601
1603
1604
103_I
103_I
101_I
102_I
102_I
103_I
103_I
101_I
102_I
102_I
102_O
102_O
101_O
103_O
103_O
102_O
102_O
101_O
103_O
103_O

FIG. 16

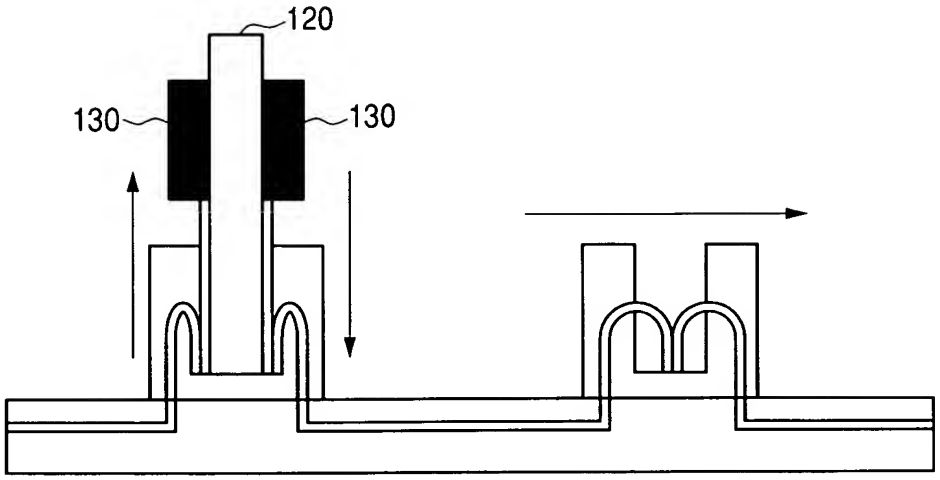


FIG. 17

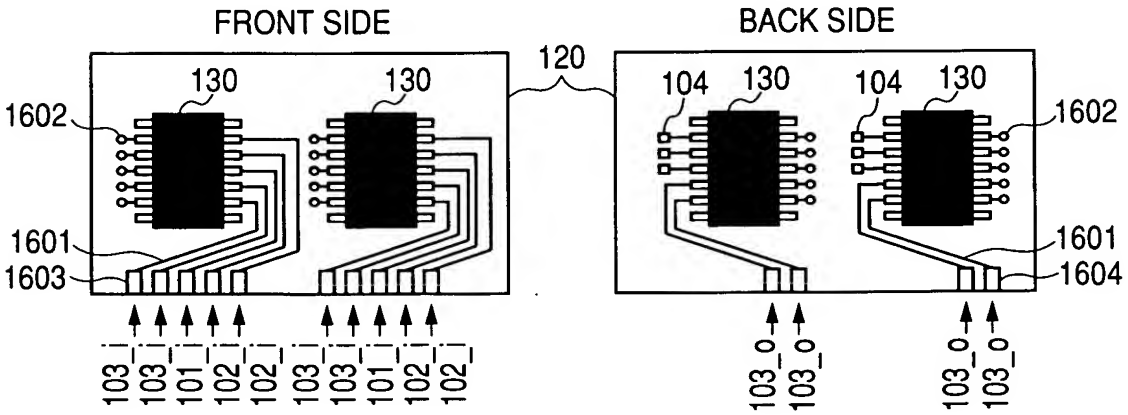
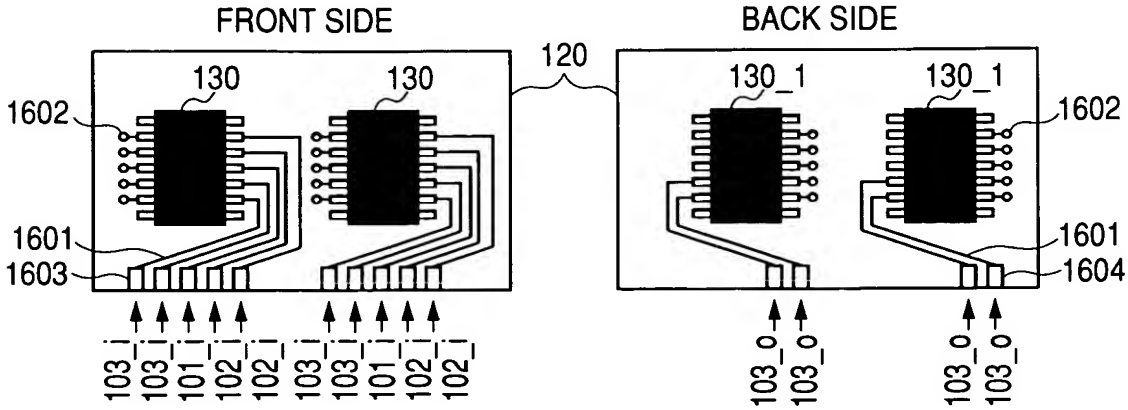


FIG. 18



Best Available Copy

FIG. 19

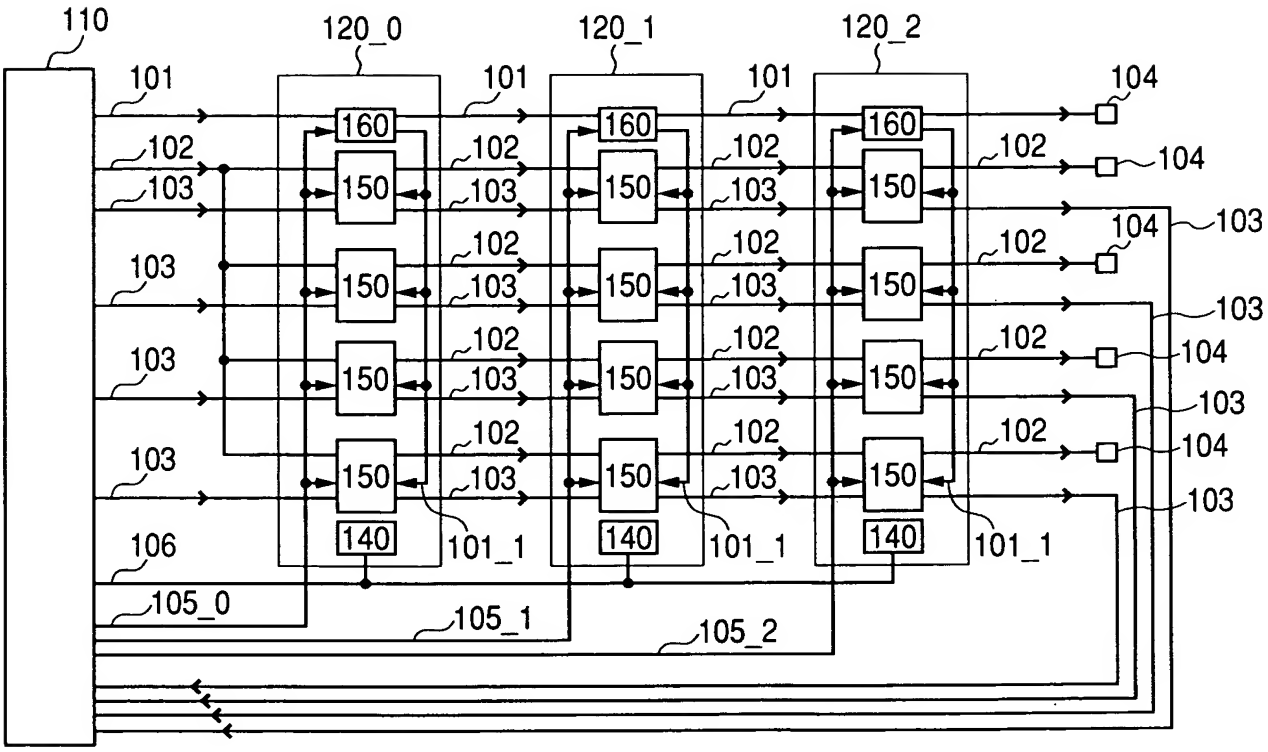

110
120_0
120_1
120_2
101
102
103
104
160
150
140
101_1
106
105_0
105_1
105_2

FIG. 20

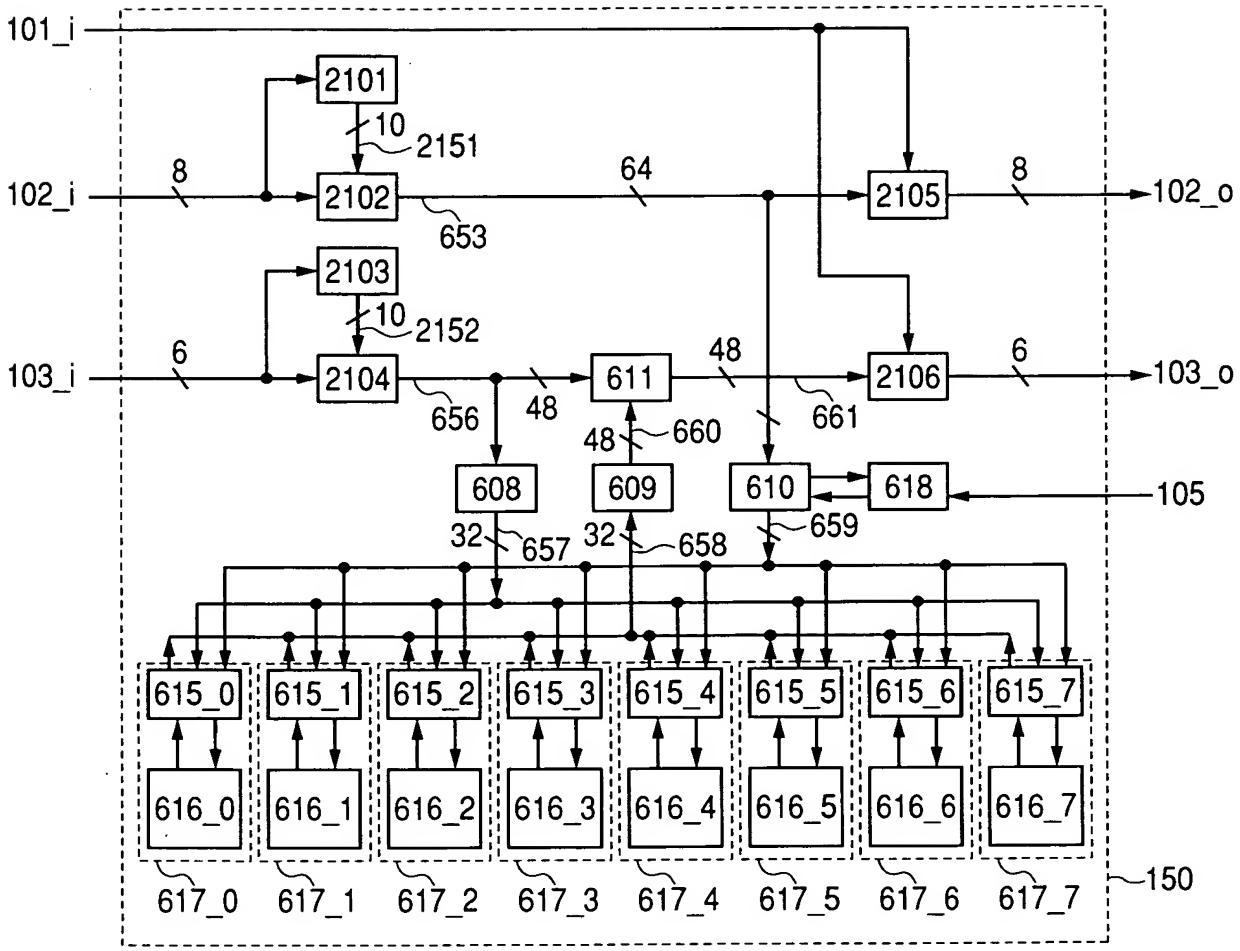

101_i
2101
10
2151
102_i
8
2102
64
2105
8
102_o
653
2103
10
2152
103_i
6
2104
611
48
2106
6
103_o
656
48
48
660
661
608
609
610
618
105
32
657
32
658
659
615_0
615_1
615_2
615_3
615_4
615_5
615_6
615_7
616_0
616_1
616_2
616_3
616_4
616_5
616_6
616_7
617_0
617_1
617_2
617_3
617_4
617_5
617_6
617_7
150

FIG. 21

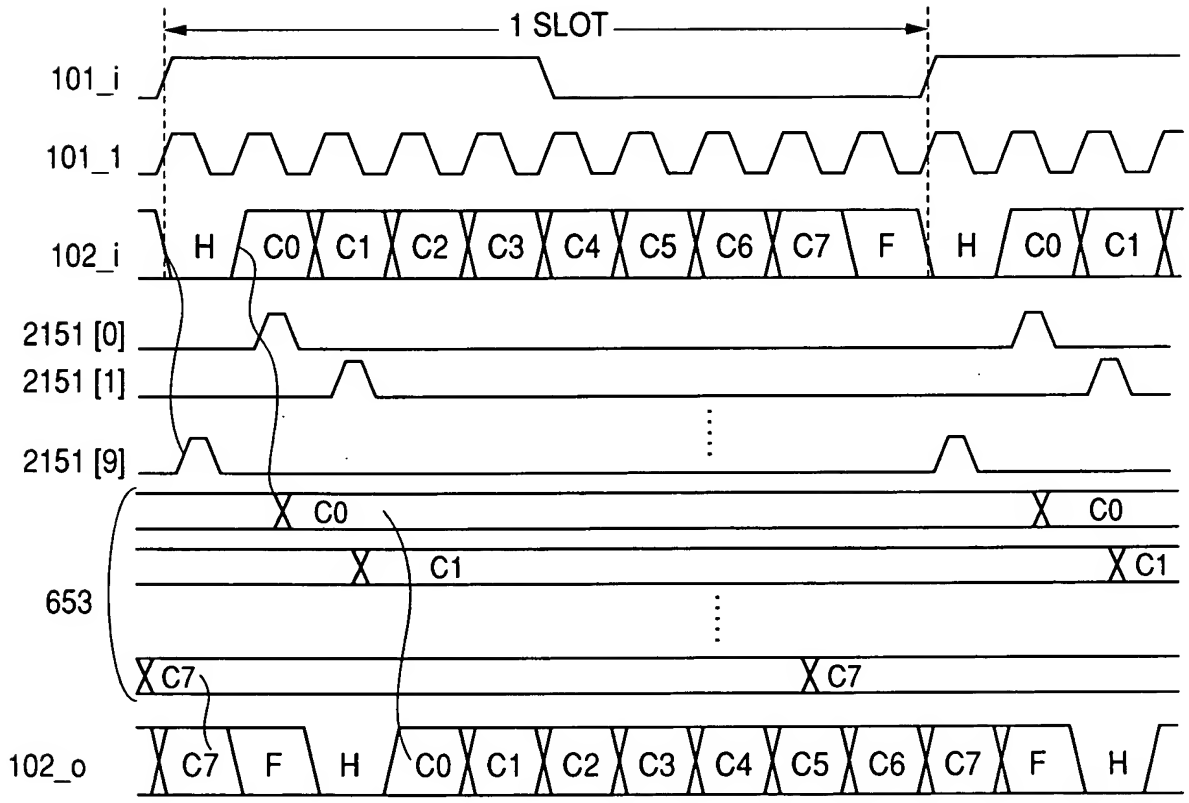

1 SLOT
101_i
101_1
102_i
H
C0
C1
C2
C3
C4
C5
C6
C7
F
H
C0
C1
2151 [0]
2151 [1]
2151 [9]
653
C0
C0
C1
C1
C7
C7
102_o
C7
F
H
C0
C1
C2
C3
C4
C5
C6
C7
F
H

FIG. 22

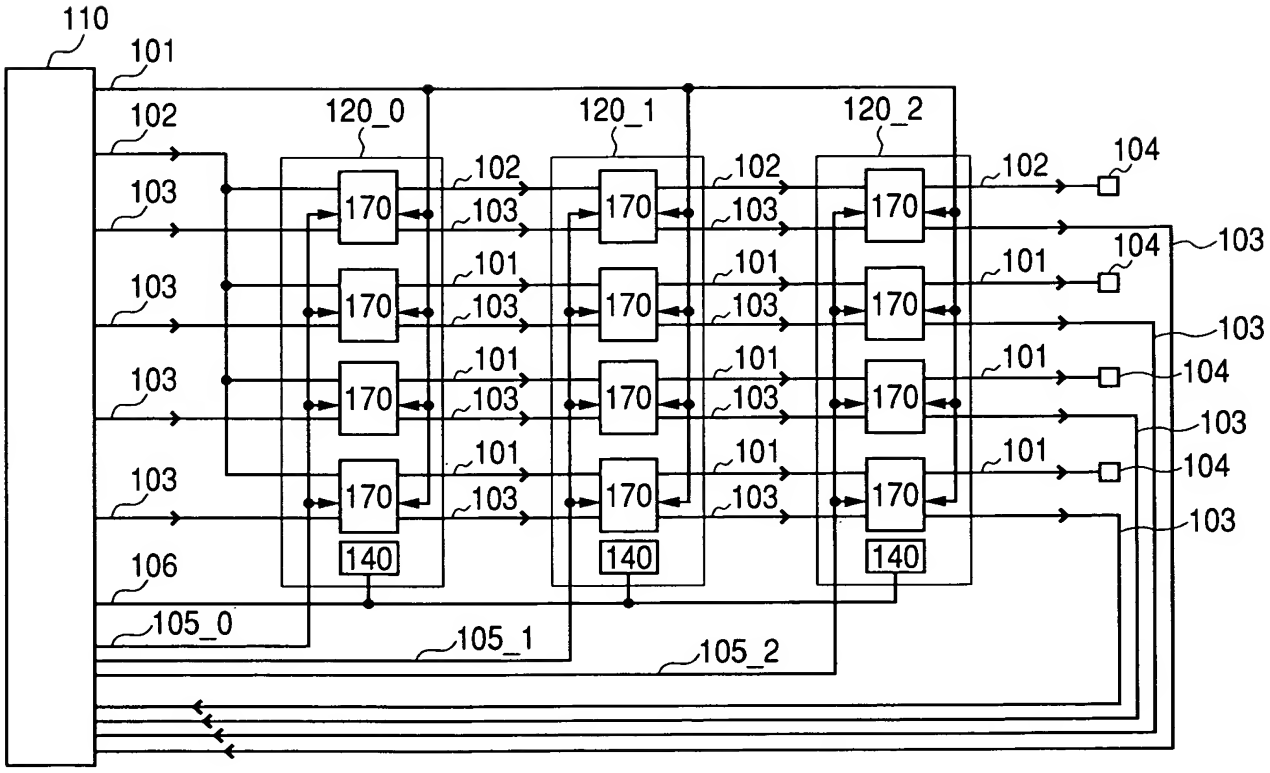


FIG. 23

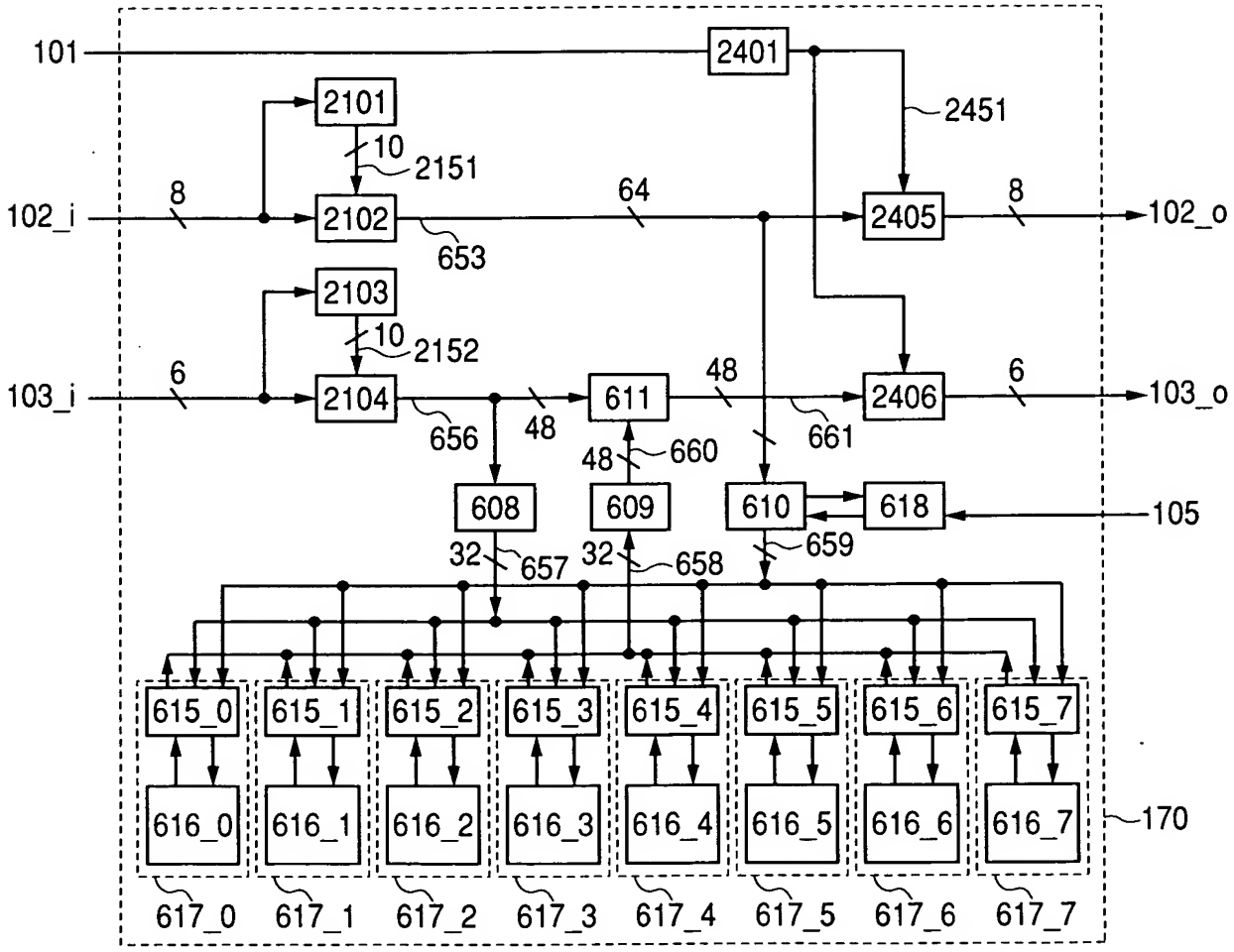

101
2401
2451
2101
10
2151
102_i
8
2102
64
2405
8
102_o
653
2103
10
2152
103_i
6
2104
611
48
2406
6
103_o
656
48
48
660
661
608
609
610
618
105
32
657
32
658
659
615_0
615_1
615_2
615_3
615_4
615_5
615_6
615_7
616_0
616_1
616_2
616_3
616_4
616_5
616_6
616_7
170
617_0
617_1
617_2
617_3
617_4
617_5
617_6
617_7

FIG. 24

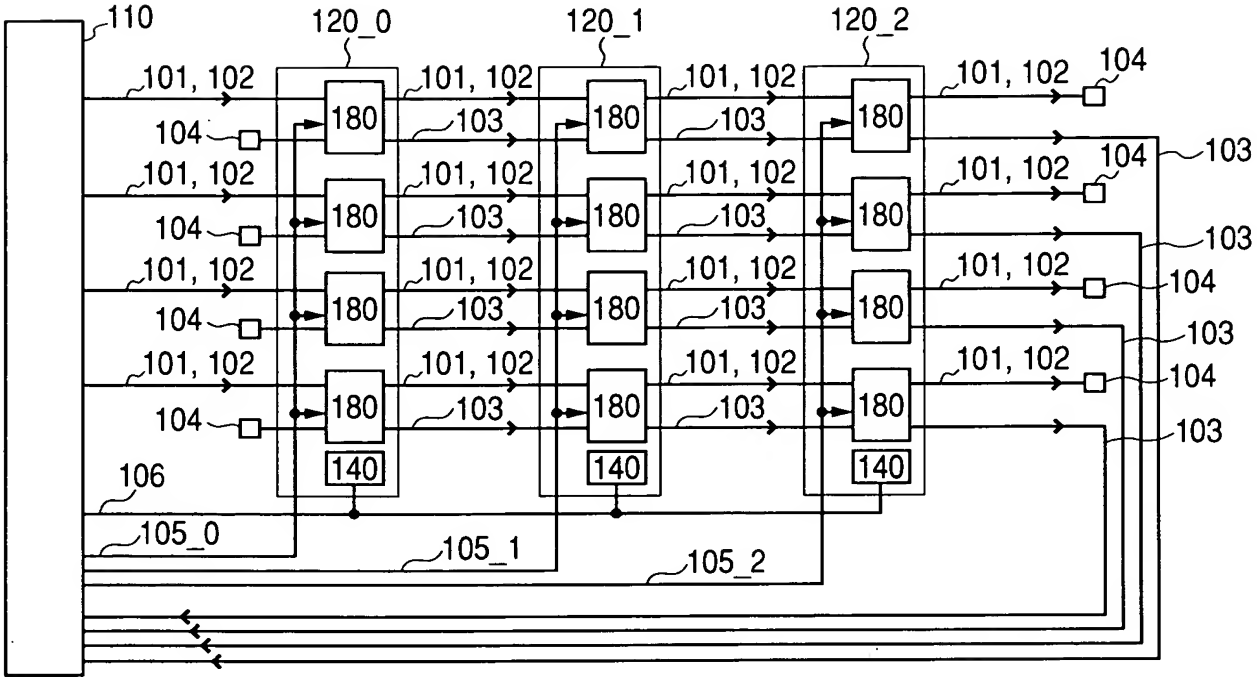

110
120_0
120_1
120_2
101, 102
104
103
180
140
106
105_0
105_1
105_2

FIG. 25

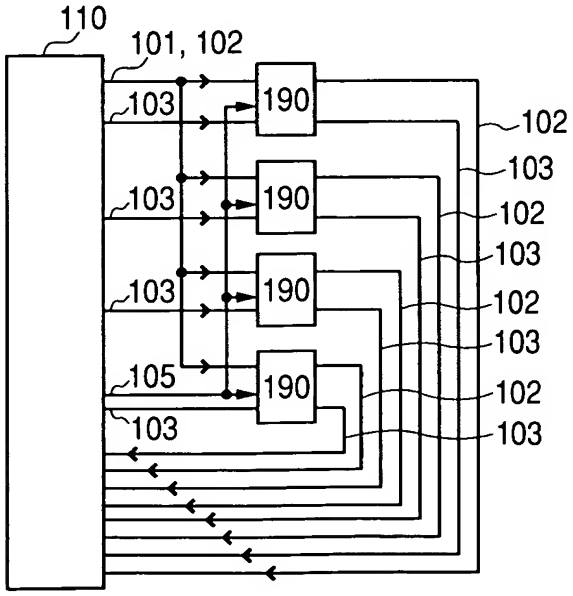

110
101, 102
103
105
190
102

FIG. 26

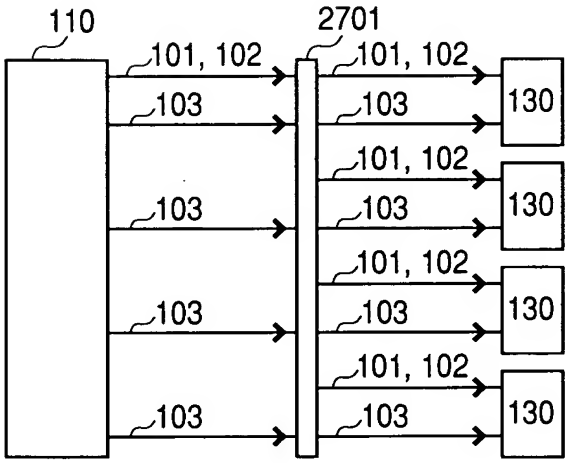
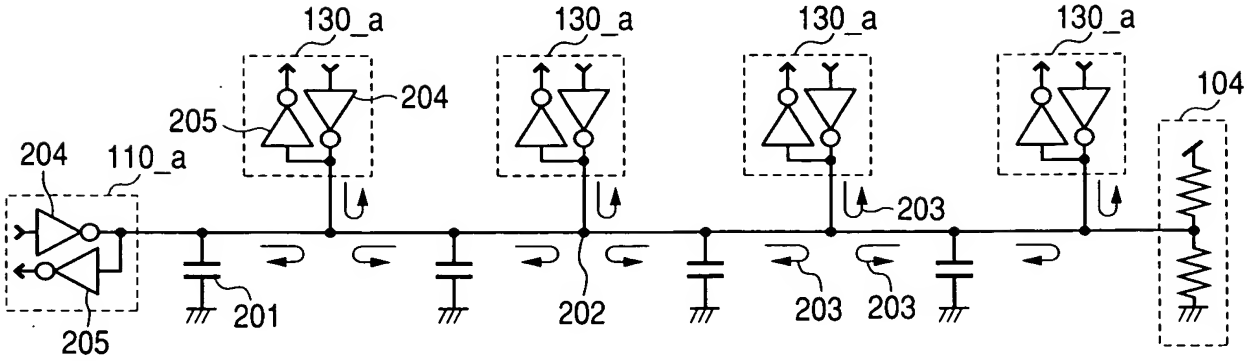



FIG. 27